

Air Quality Permitting Statement of Basis

July 19, 2007

Tier II Operating Permit and Permit to Construct No. T2-2007.0083

ConAgra Foods Lamb Weston, Inc.

American Falls

Facility ID No. 077-00017

Prepared by:

Tracy Drouin, Permit Writer Air Quality Division

PUBLIC COMMENT

Table of Contents

ACRO	NYMS, UNITS, AND CHEMICAL NOMENCLATURE	2
1.	PURPOSE	2
2.	FACILITY DESCRIPTION	2
3.	FACILITY / AREA CLASSIFICATION	2
4.	APPLICATION SCOPE	2
5.	PERMIT ANALYSIS	2
6.	PERMIT CONDITIONS	2
7.	PERMIT REVIEW	2
8.	RECOMMENDATION	2
APPEN	NDIX A – AIRS INFORMATION	2
APPEN	NDIX B – EMISSIONS INVENTORY	2
APPEN	NDIX C – MODELING REVIEW	2

Acronyms, Units, and Chemical Nomenclature

acfm actual cubic feet per minute
AFS AIRS Facility Subsystem

AIRS Aerometric Information Retrieval System

AQCR Air Quality Control Region

ASTM American Society for Testing and Materials

CAA Clean Air Act

CFR Code of Federal Regulations

CFLWI ConAgra Foods Lamb Weston, Inc.

CO carbon monoxide

DEQ Department of Environmental Quality EPA Environmental Protection Agency

HAPs Hazardous Air Pollutants

hp horsepower

IDAPA A numbering designation for all administrative rules in Idaho promulgated in accordance with the

Idaho Administrative Procedures Act

km kilometer lb/hr pound per hour m meter(s)

MACT Maximum Available Control Technology MMBtu/hr Million British thermal units per hour

NO_X nitrogen oxides

NSPS New Source Performance Standards

 O_3 ozone

PM Particulate Matter

PM₁₀ Particulate Matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers

ppm parts per million

PSD Prevention of Significant Deterioration

PTC Permit to Construct
PTE Potential to Emit

Rules Rules for the Control of Air Pollution in Idaho

scf standard cubic feet

SIC Standard Industrial Classification

SIP State Implementation Plan

 $\begin{array}{ll} SM & synthetic minor \\ SO_2 & sulfur dioxide \\ T/yr & Tons per year \end{array}$

Tier II Tier II Operating Permit
μg/m³ micrograms per cubic meter
UTM Universal Transverse Mercator
VOC volatile organic compound

1. PURPOSE

The purpose for this memorandum is to satisfy the requirements of IDAPA 58.01.01 Sections 201 and 404.04, Rules for the Control of Air Pollution in Idaho (Rules) for Tier II operating permits and Permits to Construct.

2. FACILITY DESCRIPTION

ConAgra Foods Lamb Weston, Inc.(CFLWI) is a potato processing company. Products include frozen fried potato products and hash browns, and dehydrated potato flakes. The facility operates two frozen fried product lines (1 and 2), a dehydrated flake product line, and two specialized product lines (3 and 5). The frozen fried product lines consist of a dryer and a fryer and each fryer is controlled by a wet scrubber. The dehydrated flake product line consists of two dryers and a pneumatic material handling system with three baghouses. Specialized product line 3 consists of a dryer and a roaster, and Line 5 contains a dryer and two fryers, from which emissions are controlled by two wet scrubbers.

Process steam and hot water are supplied by four boilers. Boilers 1, 2, and 3 are fired on natural gas currently, but are also allowed to combust distillate fuel oil or vegetable oil. These boilers are rated at 98.5 MMBtu/hr, 47.2 MMBtu/hr, and 46.7 MMBtu/hr heat input, respectively. Boiler 4 is fueled exclusively by natural gas and is rated at 2.5 MMBtu/hr heat input.

Natural gas-fired space heaters provide heated make-up air at the facility. Aggregated heat input capacity is 79.7 MMBtu/hr.

3. FACILITY / AREA CLASSIFICATION

CFLWI is defined as a synthetic minor facility because, CFLWI, without permit limits on the potential to emit, the CO and NO_x emissions would each exceed 100 tons per year. Emissions for CO and NO_x are limited to 99 tons per year, which is less than major source thresholds but more than 80 tons per year. Therefore, the AIRS classification is "SM80."

The facility is located within AQCR 61 and UTM zone 12. The facility is located in Power County which is designated and unclassifiable for all criteria pollutants (PM₁₀, CO, NO_x, SO₂, lead, and ozone).

The AIRS information provided in Appendix A defines the classification for each regulated air pollutant at CFLWI. This required information is entered into the EPA AIRS database.

4. APPLICATION SCOPE

The application is for a Tier II renewal of Permit No. T2-040324. Additionally, the facility requested to increase Specialized Product Line No. 5 daily production maximum from 130 to 160 T/day and annual emissions from 42,800 to 52,770 tons per 12-month period. Other requests by the facility include minor changes to operating, monitoring, recordkeeping, and reporting requirements. These requests were incorporated into the permit.

The facility also requested to add the following language to Section 6:

"Construction on the ability to burn alternative fuels has ceased. Lamb-Weston would like to continue to have the option to burn alternative fuels in the future if the need arises. If the need to burn alternative fuels arises in the future, Lamb-Weston will complete construction."

This request was not incorporated into the permit. The ability for the facility to burn alternative fuels is still in the permit.

Statement of Basis Page 4

Per IDAPA 58.01.01.211.02, DEQ has the discretion to cancel a permit to construct if construction has not begun within two years of the date of issuance, or if during the construction, work is suspended for one year.

According to the rule, DEQ has the <u>discretion to</u> cancel a PTC if construction has not begun or ceases. This does not mean that DEQ <u>will</u> cancel the PTC. If concerned, the facility may choose to continue minimal construction activities or work with the regional office since "construction" is verified through compliance inspections.

4.1 Application Chronology

May 18, 2007 Renewal permit application was received by DEQ.

June 15, 2007 Application was determined complete.

August 1, 2007 Draft permit sent to Pocatello Regional office for review.

5. PERMIT ANALYSIS

This section of the Statement of Basis describes the regulatory requirements for this Tier II/PTC.

5.1 Equipment Listing

No additional equipment is being permitted in this Tier II/PTC.

5.2 Emissions Inventory

The daily and annual throughput for Specialized Product Line 5 has been increased from 130 to 160 T/day and from 42,800 to 52,770 tons per any 12-month period. As a result, PM_{10} and VOC emissions increased. The detailed emissions inventory is included in Appendix B.

5.3 Modeling

Emissions increases resulting from the increased throughput requested for Specialized Product Line 5 were discussed with DEQ's modeling staff. Modeling is not required for VOC emissions per the DEQ Air Quality Modeling Guideline. The increase in PM₁₀ emissions are below the thresholds that trigger modeling. Therefore, DEQ staff determined that modeling was not required for this project.

5.4 Regulatory Review

This section describes the regulatory analysis of the applicable air quality rules with respect to this Tier II renewal/PTC.

IDAPA 58.01.01.201.....Permit to Construct Required

The proposed project is subject to IDAPA 58.01.01.201 and does not qualify for a PTC exemption; therefore a PTC is required.

IDAPA 58.01.01.401.....Tier II Operating Permit

This permit authorizes the use of a potential to emit limitation to exempt the facility from Tier I permitting requirements.

IDAPA 58.01.01.404.....Procedure For Issuing Permits

The procedures for revision or renewal, issuance and approval apply to this permit.

5.5 Fee Review

This is a Tier II renewal, therefore Tier II processing fees apply. In accordance with IDAPA 58.01.01.407.01, for a synthetic minor stationary source with permitted emissions below a major threshold level, the processing fee is \$10,000.00.

The Tier II processing fee is due within 45 days of receipt of an assessment. In accordance with IDAPA 58.01.01.408.02, failure to submit a Tier II operating permit processing fee within forty-five (45) days of receipt of an assessment by the Department will result in a monthly accrual of interest in the amount of twelve percent (12%) per annum on the outstanding balance until the fee is paid in full.

6. PERMIT CONDITIONS

This Tier II/PTC has been updated and/or reformatted. As a result, some numbering differences and changes to facility-wide conditions and general provisions have occurred. Some of the permit conditions have not changed, but have been moved to other sections of the permit. Other permit conditions have been changed or deleted as a result of this permit modification. All other permit conditions remain unchanged. Permit conditions related to the new permit are identified as New Permit Conditions. Permit conditions related to the expired permit no. T2-040324 are identified as Old Permit Conditions. Most of the permit condition changes have already been discussed between the facility and the Pocatello Regional office.

Facility-Wide Conditions Section Changes

A facility-wide condition has been added that requires the permittee to conduct a monthly facility-wide inspection of potential sources of fugitive emissions. This is *New Permit Condition 2.4* in the Facility-Wide Conditions section.

Some of the facility-wide conditions from the expired permit had requirements specific to a particular section. These specific permit conditions (specific throughput limits and boiler conditions) have been moved to appropriate sections in the new permit, but retain the same requirements.

Old Permit Condition 2.11 has been revised. New Permit Condition 2.18 states: The permittee shall calculate and record monthly the NO_x and CO emissions for the previous consecutive 12-month period to ensure NO_x and CO emissions do not exceed 99 T/yr. The records shall be submitted to DEQ every 12 months by January 31, retained at the facility for the most recent five-year period, and be made available to DEQ representatives upon request.

Old Permit Conditions 2.12 and 2.13 remain the same with the exception that a footnote has been added regarding the emission factors in the chance that they may change in the future. The footnote states: "The permittee shall use the associated emission factors listed in the table or a DEQ approved alternative emission factor." These are New Permit Conditions 2.19 and 2.20 in the Facility-Wide Conditions section.

Old Permit Condition 2.16 has been removed from the permit. Test method information will be included in the test protocol which is submitted to DEQ for review prior to the test; therefore, it is not a necessary permit condition.

Emission Unit Sections Changes

Old Permit Condition 2.14 has been changed and moved to Section 7 (Specialized Product Line 3 and Line 5). Throughput has been increased as requested by the facility. New Permit Condition 7.4 states: Specialized Product Line No. 5 shall not exceed a total maximum output of 160 T/day and 52,770 tons per any consecutive 12-month period.

Old Permit Condition 3.4 has been revised. New Permit Condition 3.5 states: The permittee shall calibrate, maintain, and operate in accordance with manufacturer specifications or the O & M manual, the equipment that continuously measures the pressure differential across the air pollution control equipment and the scrubbing media pressure to the air pollution control equipment.

Old Permit Condition 3.6 has been revised. New Permit Condition 3.7 states: The pressure drop across the air pollution control devices shall be maintained within manufacturer or O&M manual specifications. Documentation of both the manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to DEQ representatives upon request.

Old Permit Condition 3.7 has been revised. The heading for New Permit Condition 3.8 now reads Scrubbing Media Pump Pressure and states: The scrubbing media pump pressure to the air pollution control devices shall be maintained within manufacturer's or O&M manual specifications. Documentation of the manufacturer and O&M manual operating scrubbing media specifications shall remain onsite at all times and shall be made available to DEQ representatives upon request.

Old Permit Condition 3.9 has been revised. New Permit Condition 3.11 states: The following parameters shall be monitored and recorded during operation as specified below. A compilation of the most recent five years of data shall be kept onsite, and shall be made available to DEQ representatives upon request.

- Pressure drop across the air pollution control device, once weekly.
- The scrubbing pump pressure to the air pollution device, once weekly.
- Maintenance on the air pollution control device and any modifications made to the operating specifications, as performed.

New Permit Condition 3.12 has been added. It requires a PM_{10} performance test for the Frozen Fried Product Line 1 deluge fryer stack. This permit condition was included to demonstrate compliance with the PM_{10} emissions limits and to ensure emissions calculations are representative for the fryers.

Old Permit Condition 4.4 has been revised to remove "fryer" because the fryer is steam heated. New Permit Condition 4.5 states: The Frozen Fried Product Line 2, dryer (natural gas-fired), shall burn natural gas exclusively.

Old Permit Condition 4.5 has been revised. New Permit Condition 4.6 states: The permittee shall calibrate, maintain, and operate in accordance with manufacturer specifications or the O & M manual, the equipment that continuously measures the pressure differential across the air pollution control equipment and the scrubbing media flow rate to the air pollution control equipment.

Old Permit Condition 4.7 has been revised. New Permit Condition 4.8 states: The pressure drop across the air pollution control devices shall be maintained within manufacturer or O&M manual specifications. Documentation of both the manufacturer's and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to DEQ representatives upon request.

Old Permit Condition 4.8 has been revised. New Permit Condition 4.9 states: The scrubbing media flow rate to the air pollution control devices shall be maintained within manufacturer's or O&M manual specifications. Documentation of the manufacturer and O&M manual operating scrubbing media specifications shall remain onsite at all times and shall be made available to DEQ representatives upon request.

Old Permit Condition 4.9 has been revised to reflect the fact that only one scrubber exists for Frozen Fried Product Line 2. New Permit Condition 4.10 states: The associated Ducon scrubber shall be operated at all times when Frozen Fried Product Line 2 is operated.

Old Permit Condition 5.8 has been revised. New Permit Condition 5.8 states: The pressure drop across the air pollution control devices shall be maintained within manufacturer or O&M manual specifications. Documentation of both the manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to DEQ representatives upon request.

Old Permit Condition 4.10 has been revised. New Permit Condition 4.12 states: The following parameters shall be monitored and recorded during operation as specified below. A compilation of the most recent five years of data shall be kept onsite, and shall be made available to DEQ representatives upon request.

- Pressure drop across the air pollution control device, once weekly.
- The scrubbing media flowrate to the air pollution device, once weekly.
- Maintenance on the air pollution control device and any modifications made to the operating specifications, as performed.

Old Permit Condition 5.9 has been revised. New Permit Condition 5.10 states: The following parameters shall be monitored and recorded during operation as specified below. A compilation of the most recent five years of data shall be kept onsite, and shall be made available to DEQ representatives upon request.

- Pressure drop across the air pollution control devices, once weekly.
- Maintenance on the air pollution control device and any modifications made to the operating specifications, as performed.

Old Permit Condition 7.8 has been revised. New Permit Condition 7.9 states: The following parameters shall be monitored and recorded during operation as specified below. A compilation of the most recent five years of data shall be kept onsite, and shall be made available to DEQ representatives upon request.

- The scrubbing pump pressure to the air pollution device, once weekly.
- Maintenance on the air pollution control device and any modifications made to the operating specifications, as performed.

Summary of Emission Rate Limits Section Changes

Table 8.1 includes actual emission limits for PM_{10} for the boilers. Both *Old Permit Condition 6.3* and *New Permit Condition 6.3* refer to emissions limits pertaining to the boiler. Since NO_x and CO have facility-wide emissions limits, PM_{10} limits specific to the boilers were included in Table 8.1.

7. PERMIT REVIEW

7.1 Regional Review of Draft Permit

The draft permit was made available for DEQ Pocatello regional office review on August 1, 2007. No changes to the draft permit were suggested.

7.2 Facility Review of Draft Permit

The draft permit was sent to the facility for review on August 9, 2007. Comments were received and incorporated into the permit.

7.3 Public Comment

A public comment period on the proposed Tier II/PTC will be provided, in accordance with IDAPA 58.01.01.404.01.c.

8. RECOMMENDATION

Based on review of application materials, and all applicable state and federal rules and regulations, staff recommend that ConAgra Foods Lamb Weston, Inc. be issued a draft Tier II/PTC No. T2-2007.0083 for the permit renewal, minor changes to permit conditions and increase in production for Specialized Product Line No. 5. A public comment period was held and the project does not involve PSD requirements.

TAD/slm Permit No. T2-2007.0083

Appendix A – AIRS Information T2-2007.0083

AIRS/AFS^a FACILITY-WIDE CLASSIFICATION^b DATA ENTRY FORM

Facility Name: ConAgra Foods Lamb Weston, Inc.

Facility Location: American Falls
AIRS Number: 077-00017

AIR PROGRAM POLLUTANT	SIP	PS D	NSPS (Part 60)	NESHAP (Part 61)	MACT (Part 63)	SM80	TITLE V	AREA CLASSIFICATION A-Attainment U-Unclassified N- Nonattainment
SO ₂	В							U
NO _x	SM80					SM80		U
СО	SM80					SM80		U
PM ₁₀	В							U
PT (Particulate)	В							U
voc	В							U
THAP (Total HAPs)	В			_				U
			APPL	ICABLE SUB	PART			

^a Aerometric Information Retrieval System (AIRS) Facility Subsystem (AFS)

^b AIRS/AFS Classification Codes:

- A = Actual or potential emissions of a pollutant are above the applicable major source threshold. For HAPs only, class "A" is applied to each pollutant which is at or above the 10 T/yr threshold, or each pollutant that is below the 10 T/yr threshold, but contributes to a plant total in excess of 25 T/yr of all HAPs.
- SM = Potential emissions fall below applicable major source thresholds if and only if the source complies with federally enforceable regulations or limitations.
- B = Actual and potential emissions below all applicable major source thresholds.
- C = Class is unknown.
- ND = Major source thresholds are not defined (e.g., radionuclides).

PTC Statement of Basis Page 11

Appendix B – Emissions Inventory T2-2007.0083

	TI INFO AIR OILAI IT	Y PROGRAM							d	PRMIT TO	RONSTRI	ICT APPI	CATION
	1410 N. Hilton, Boise, ID 83706	ise, ID 83706								Revision 3			Revision 3
0	For assistance, call the Air Permit Hotline - 1-877-5PERMIT	all the e - 1-877-5PER	MIT										4/5/2007
			83.	ase see instru	ictions on page	Please see instructions on page 2 before filling out the form.	ut the form.						
Company Name: Conagra Foods Packaged Food Company	Conagra Foods P	ackaged Food	Company										
Facility Name:						Ame	American Falls						
Facility ID No.:						07	077-00017						
Brief Project Description:	Increa												
	SUMMARY		SIONS INCE	REASE (PR	OPOSED PT	OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES	ISLY MOD	ELED PTE	- POINT S	OURCES		Total State of	O COL
1.	2.						3,						
		PA	PM ₁₀	S	SO ₂	NOx	- 22	oo	0	NOC	0	Lead	pt
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
The same of the sa					Point Source(s)	nrce(s)				The state of the s			
Line 5 Retrograde		0.08	0.35										
Line 5 Fryer/scrubber 1		0.13	0.55							0.02	60.0		
Line 5 Fryer/scrubber 2		0.13	0.55							0.02	60.0		
name of the emissions unit4													
name of the emissions unit5													
name of the emissions unit6													
name of the emissions unit7													
name of the emissions unit8													
name of the emissions unit9													
name of the emissions unit10													
name of the emissions unit11													
name of the emissions unit12													
name of the emissions unit13													
name of the emissions unit14													
name of the emissions unit15													
name of the emissions unit16													
name of the emissions unit17													
name of the emissions unit18													
name of the emissions unit19													
name of the emissions unit20													
name of the emissions unit21													
(insert more rows as needed)													
Total		0.33	1.45	0.00	0.00	0.00	00:00	0.00	0.00	0.04	0.17	0.00	0.00

Launo-Weston, American Falls Proposed Table 8.2 Emission Inventory based on PTE

Changes shown in **BOLD**

	PN	PM10	802	02	0	00) N	voc	Ň	NOx
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Boiler 1	1.65	7.24	5.10	22.36	8.11	35.53	0.53	2.33	9.47	41.48
Boiler 2	0.79	3.47	2.45	10.71	3.89	17.02	0.25	1.11	9.07	39.74
Boiler 3	0.78	3.44	2.42	10.61	3.85	16.85	0.25	1.10	8.99	39.36
Boiler 4	0.02	0.08	0.001	900.0	0.21	06.0	0.01	90.0	0.25	1.07
Line 2 Dryer	1.50	6.56	0.011	0.050	1.61	7.03	0.11	0.46	1.91	8.37
Line 3 Roaster	90.0	0.24	0.004	0.02	0.61	2.67	0.04	0.17	0.73	3.18
Line 3 Retrograde	0.70	3.09								
Line 5 Retrograde	0.46	2.02	0.003	0.01	0.40	1.73	0.03	0.11	0.47	2.06
Line 1 Dryer	2.50	10.97								
Flake Dryer 1 & 2	0.13	0.59								
Line 1 Reyco Scrubber	3.94	17.25					1.22	5.35		
Line 2 Ducon Scrubber	2.13	9.31					99.0	2.89		
Line 5 Fryer/scrubber 1	0.70	3.08	0.003	0.01	0.40	1.73	0.13	0.57	0.47	2.06
Line 5 Fryer/scrubber 2	0.70	3.08	0.003	0.01	0.40	1.73	0.13	0.57	0.47	2.06
Kice filter	0.07	0.32								
Pneumafil filter	0:30	1.29								
Mikro-Pulsair filter	0.15	0.65								
AMUs & space heaters	0.59	2.60	0.047	0.21	92.9	28.74	0.43	1.88	7.81	34.21
Fugitive Dust	3.54	7.91								
Facility Wide Potential		83.19		43.99		99.00		16.60		99.00

0.17

1.45

Change

Lamb-Weston, American Falls Process PTE (Calculations for Table 8.2)

365 Days per Year

8760 Hours per Year

		Estimated	Estimated Emissions		
Dryer & Fryer 29.375 945 344.925 Dryer 39.375 Dryer 39.375 Dryer 21.25 Dryer 21.25 Dryer 21.25 Dryer 21.25 Dryer 21.25 Dryer 21.25 Dryer Dryer 21.25 Dryer Dryer 21.25 Dryer Dryer Dryer 21.25 Dryer D		PM10		VOC	
Dryer & Fryer 29.375 945 344,925 Dryer Dryer & Fryer 29.375 Dryer & Fryer 21.25 510 188,150 Dryer 21.25 Dryer & Fryer Dryer 21.25 Dryer Dr	ш		Emission		
Dryer & Fryer 100/hr 100/hgy 100/hr 10	nent Production Factor	Emissions	Factor	Emis	Emissions
Dryer & Fryer 39.375 945 34.925 Poyer Pryer 39.375 Dryer & Fryer 21.25 510 186.150 Pryer (Revco) 39.375 2 Dryer 21.25 510 186.150 Pryer (Ducon) 21.25 2 Dryer 21.25 5.11 50.64 18.484 Dryer (Ducon) 21.25 2 Kice Baghouse Rice President (Collects from 8 races) 2.11 Aliko-Pulsair (Collects from 8 races) 2.11 Dryer (Retrograde) & Roaster 11.08 265.92 97.061 Dryer (Retrograde) 11.08 Dryer (Retrograde) & Pryers 5.43 130.32 47.567 Dryer (Retrograde) 5.41	ton/yr lb/ton	lb/hr ton/yr	lb/ton	lb/hr	ton/yr
Dryer & Fryer Pryer (Revocal 39.375 Pryer (Revocal 39.375 Pryer (Revocal 39.375 Pryer (Revocal 20 Pryer 2	0.0636	2.504 10.97			
Dryer & Fryer 21.25 510 186,150 Dryer 21.25	39.375 344,925 0.1	3.938 17.25	0.031	1.221	5.35
2 Dryers 2.11 50.64 18,484 Drum Dryer 1,055 1,055 1,055 Dryer Retrograde) & Roaster 11,08 265.92 97,061 Dryer Retrograde) 1,06 Dryer Retrograde) 1,06 Dryer Retrograde) 1,06 Dryer Retrograde) 1,05 Dryer	186,150 0.0636	1.352 5.92			
2 Dryers 2.11 50.64 18.484 Drum Dryer 1 1.055 Kice Baghouse Pneumafil Baghouse 2.11 Mikro-Pulsaire Mikro-Pulsair (Collects from 5 areas) 2.11 Mikro-Pulsair (Collects from 5 areas) 2.11 Dryer (Retrograde) & Roaster 11.08 265.92 97.061 Dryer (Retrograde) 11.08 Dryer (Retrograde) & 2 Fryers 5.43 130.32 47.567 Dryer (Retrograde) 5.43	21.25 186,150 0.1	2.125 9.31	0.031	0.659	2.89
Kice Baghouse Mikro-Pulsair Mikro-Pulsair Collects from 5 areas 2.11 Dryer (Retrograde) & Reaster 11.08 285.92 97.061 Dryer (Retrograde) 130.32 47.567 Dryer (Retrograde) 5.43 130.32 47.567 Dryer (Retrograde) 5.43	1 1.055 9,242 0.0636 (0.067 0.29			
Kice Baghouse Freumafil (Collects from 5 areas) 2.11 Pneumafil Baghouse Mikro-Pulsair (Collects from 2 areas) 2.11 Mikro-Pulsair (Collects from 2 areas) 2.11 Dryer (Retrograde) & Roaster 11.08 265.92 97.061 Dryer (Retrograde) 11.08 Dryer (Retrograde) & Eryers 5.43 130.32 47.567 Dryer (Retrograde) 5.43	1.055 9,242 0.0636	0.067 0.29			
Pneumafil Baghouse	18,484 0.035 (0.32			
Mikro-Pulsaire Mikro-Pulsair (Collects from 2 areas) 2.11 Dryer (Retrograde) & Roaster 11.08 265.92 97.061 Dryer (Retrograde) 11.08 Dryer (Retrograde) & 2 Fryers 5.43 130.32 47.567 Dryer (Retrograde) 5.43	2.11 18,484 0.028	0.295 1.29			
Dryer (Retrograde) & Roaster 11.08 265.92 97.061 Dryer (Retrograde) 11.08 11.08 Dryer (Retrograde) & 2 Fryers 5.43 130.32 47.567 Dryer (Retrograde) 5.43	2.11 18,484 0.035	0.148 0.65			
Dryer (Retrograde) & 2 Fryers 5.43 130.32 47,567 Dryer (Retrograde) 5.43 Fryer1 2.715	11.08 97,061 0.0636	0.705 3.09			
Dryer (Retrograde) & 2 Fryers 5.43 130.32 47,567 Dryer (Retrograde) 5.43 5.45 Eryer 2.715 Eryer 2.715	All drying emissions are assumed to be from the retrograde.	assumed to b	e from the re	strograde.	
2.715	5.43 47,567 0.0636	0.345 1.51			
2745	23,783 0.2	0.543 2.38	0.031	0.084	0.37
2.7.13	2.715 23,783 0.2 0.	0.543 2.38	0.031	0.084	0.37

365 Days per Year

8760 Hours per Year

- 1	Ċ	=	
4	ē	5	
		•	
	t	•	
.1	ς	۷	
-	ř	٦	
		ζ	
- 1	Ņ	,	
- 2	ŀ	•	
ι		L	
. !	ļ	υ	
		=	
	ï		
	Ŀ	•	
Ł	1	Ŀ	
		_	
п			
1	ā	ū	
4	ì	5	
9	'n	201110	
- 1	ŕ	=	
1	t	=	
	i	÷	
	ľ	ī	

				Estimate	Estimated Future Production				PM10	2000	Estimated Elimosions	VOC	
					Component Production	Productic	L.	Emission Factor	Emis	Emissions	Emission Factor	Emis	Emissions
		ton/hr	ton/day	ton/yr		ton/hr	ton/yr	lb/ton	lb/hr	ton/yr	lb/ton	lb/hr	ton/yr
Line 1	Dryer & Fryer	39.375	945	344,925	Dryer	39.375	39.375 344,925	0.0636	2.504	10.97			
					Fryer (Reyco)	39.375	344,925	0.1	3.938	17.25	0.031	1.221	5.35
Line 2	Dryer & Fryer	21.25	510	186,150	Dryer	21.25	186,150	0.0636	1.352	5.92			
ATTENCY.		The state of the s		Secondon Secondon	Fryer (Ducon)	21.25	186,150	0.1	2.125	9.31	0.031	0.659	2.89
Flake	2 Dryers	2.11	50.64	18,484	Drum Dryer 1	1.055	9,242	0.0636	0.067	0.29			
					Drum Dryer 2	1.055	9,242	0.0636	0.067	0.29			
	Kice Baghouse		1		Kice	2.11	18,484	0.035	0.074	0.32			
	Pneumafil Baghouse		Pne	umafil (Co	Pneumafil (Collects from 5 areas)	2.11	18,484	0.028	0.295	1.29			
	Mikro-Pulsaire		Mikro-F	ulsair (Co	Mikro-Pulsair (Collects from 2 areas)	2.11	18,484	0.035	0.148	0.65			
Line 3	Dryer (Retrograde) & Roaster	11.08	265.92	97,061	265.92 97,061 Dryer (Retrograde)	11.08	190'26	0.0636	0.705	3.09			
					Roaster		All drying	emissions	are assur	med to be	All drying emissions are assumed to be from the retrograde.	trograde.	
Line 5	Dryer (Retrograde) & 2 Fryers	89.9	160.394	58,544	160.394 58,544 Dryer (Retrograde)	6.68	58,544	0.0636	0.425	1.86	0.000		
		72000		130305000	Fryer 1	3.34	29,272	0.2	0.668	2.93	0.031	0.104	0.45
					Fryer 2	3.34	29,272	0.2	0.668	2.93	0.031	0.104	0.45
						-	otal Perm	Total Permit Change	13.04	57.10		5.09	9.14
						-	Total Current Permit	int Permit	12.71	55.65		2.05	8.97
								Change	0.33	1.45		0.04	0.17

Appendix C – Modeling Review T2-2007.0083

From: Kevin Schilling Sent: Friday, August 17, 2007 1:46 PM

To: Tracy Drouin

Subject: ConAgra American Falls

Tracy,

The emissions increases associated with the ConAgra PTC/Tier II renewal application are below DEQ established modeling thresholds; therefore, dispersion modeling analyses are not required for the application. Emissions from the ConAgra facility (as evaluated in the previous permit) were included in the AERMOD modeling analyses for the proposed Southeast Idaho Energy, LLC project, and results were well below established standards. Consequently, I feel remodeling for the Tier II renewal is not warranted.

Please contact me if you have any questions or concerns with regard to modeling for this facility.

Kevin Schilling Stationary Source Air Modeling Coordinator Idaho Department of Environmental Quality 208 373-0112